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1. A method of preventing interference in a communication system comprising the steps of:
- generating a fixed reuse pattern in a service area from a high altitude communications device, said pattern having at least a first resource cell and a second resource cell;
- selectively suppressing a side lobe of a beam having a first resource so a non-side lobe suppressed portion aligns with a cell having said second resource.
2. A method as recited in claim 1 wherein the step of selectively suppressing comprises the step of reshaping the antenna to suppress side lobe interference at the interference locations.
3. A method as recited in claim 2 further comprising the step of maintaining the shape of the antenna in non-interference locations.
4. A method as recited in claim 1 wherein said first resource and said second resource comprise a frequency.
5. A method as recited in claim 1 wherein said first resource and said second resource comprise polarization.
6. A method as recited in claim 1 wherein said first resource and said second resource comprise an orthogonal code.
7. A method as recited in claim 1 wherein said high altitude communication device comprises a satellite.

1 14. A method as recited in claim 9 wherein said first resource
2 and said second resource comprise a code.

1 16. A method as recited in claim 15 further comprising the step
2 of maintaining the shape of the antenna in non-interference locations.

1 18. A method as recited in claim 17 wherein said first resource
2 and said second resource comprise a frequency.

1 20. A method as recited in claim 17 wherein said first resource
2 and said second resource comprise an orthogonal code.

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